

## ABSTRACT OF THE DISCLOSURE

A base station receives a reverse link signal from a given field unit that includes a common code (i.e., shared by other field units) and a unique orthogonal code (i.e.,

5 distinguishing the given field unit from other field units). The reverse link signal travels in a multi-path environment along a primary path and at least one secondary path. The base station makes a diversity decision based on the unique orthogonal code seen at two different phases. The base station determines a gross timing offset to align the common code of the given field unit with the common code from other field units

10 using unique orthogonal codes. The given field unit makes a corresponding coarse adjustment of the phase of its common code.